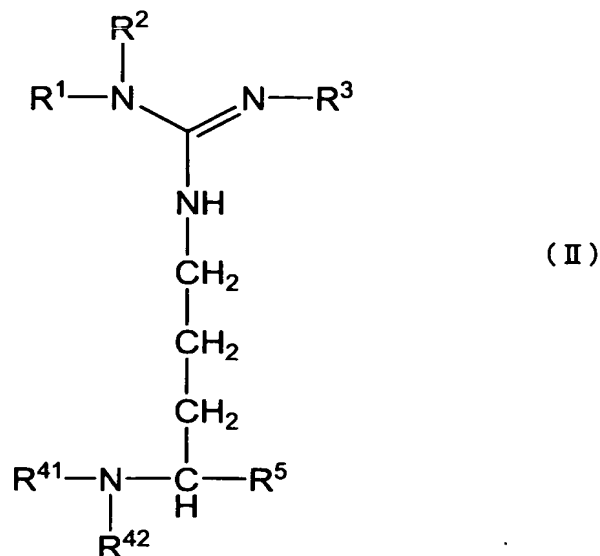


CLAIMS

1. (Amended). A compound represented by the general formula (II) or a salt thereof:

[Formula 1]



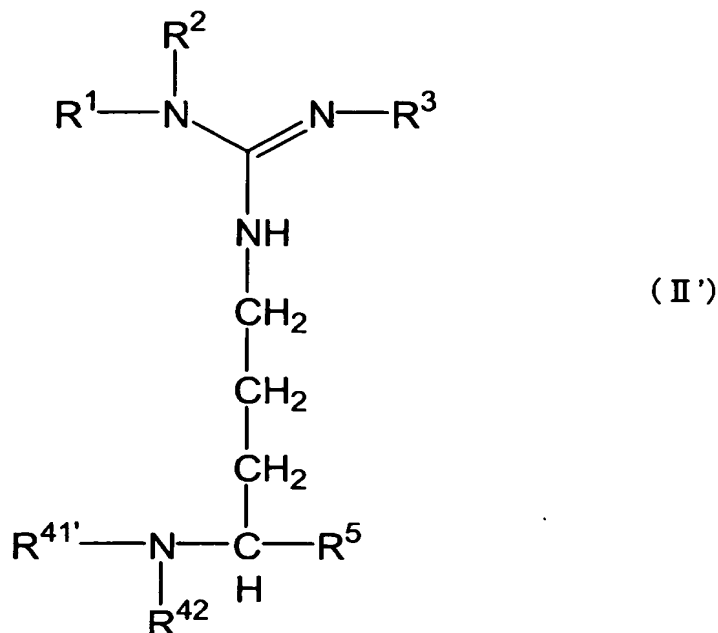
wherein R^1 , R^2 and R^3 each independently represent a hydrogen atom or an alkyl group having 1 to 3 carbon atoms, provided that at least one of R^1 , R^2 and R^3 does not represent a hydrogen atom; R^{41} represents a group represented by $\text{R}^{401}\text{CO}-$ where R^{401} represents a hydrogen atom, a unsaturated chain hydrocarbon group which may have a substituent, an alicyclic hydrocarbon group which may have a substituent, an aromatic hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, or a group represented by $\text{R}^{402}\text{S}(\text{O})_m-$ where R^{402} represents a hydrogen atom, a hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, and m is an integer of 1 or 2; R^{42} represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms; and R^5 represents a carboxyl group which may have a substituent.

2.

7.

8. (Amended) A peptidylarginine deiminase 4 inhibitor comprising, as the active ingredient, a compound represented by the general formula (II') or a salt thereof:

[Formula 5]



wherein R¹, R² and R³ each independently represent a hydrogen atom or an alkyl group having 1 to 3 carbon atoms, provided that at least one of R¹, R² and R³ does not represent a hydrogen atom; R^{41'} represents a group represented by R^{401'}CO- where R^{401'} represents a hydrogen atom, a hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, or a group represented by R⁴⁰²S(O)_m- where R⁴⁰² represents a hydrogen atom, a hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, and m is an integer of 1 or 2; R⁴² represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms; and R⁵ represents a carboxyl group which may have a substituent.

9.

10. The peptidylarginine deiminase 4 inhibitor according to Claim 8, which is used for the prevention and/or treatment of diseases associated with peptidylarginine deiminases.